

12/03/99  
JC553 U.S. PTO

LAW OFFICES  
**SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC**  
2100 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, DC 20037-3213  
TELEPHONE (202) 293-7060  
FACSIMILE (202) 293-7860  
www.sughrue.com

JC542 U.S. PTO  
09/453526  
12/03/99

December 3, 1999

**BOX PATENT APPLICATION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Re: Application of **SMITH, Harry B.**  
**RECEIVING SYSTEM WITH IMPROVED DIRECTIVITY AND SIGNAL  
TO NOISE RATIO**  
Our Ref. A7302

Dear Sir:

Attached hereto is the application identified above including 45 sheets of the specification, claims, 19 sheets of informal drawings, and executed Declaration and Power of Attorney. Also enclosed is the Small Entity Declaration.

The Government filing fee is calculated as follows (**Small Entity fees apply**):

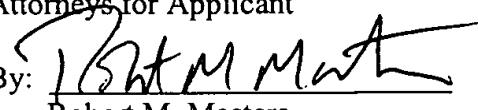
Total claims	11	-	20	=	x	\$9.00	=	\$0.00
Independent claims	3	-	3	=	x	\$39.00	=	\$0.00
Base Fee								\$380.00

**TOTAL FILING FEE** **\$380.00**

A check for the statutory filing fee of \$380.00 is attached. You are also directed and authorized to charge or credit any difference or overpayment to Deposit Account No. 19-4880. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 and any petitions for extension of time under 37 C.F.R. § 1.136 which may be required during the entire pendency of the application to Deposit Account No. 19-4880. A duplicate copy of this transmittal letter is attached.

This application is filed under 35 U.S.C. § 111(a), claiming benefit pursuant to 35 U.S.C. § 119(e)(1) of the filing date of the Provisional Application 60/110,695 filed on December 3, 1998 pursuant to 35 U.S.C. § 111(b).

Respectfully submitted,  
**SUGHRUE, MION, ZINN,  
MACPEAK & SEAS, PLLC**  
Attorneys for Applicant

By:   
Robert M. Masters  
Registration No. 35,603